



## Decision and Risk Management

Presented by the Graduate School of Technology Management, University of Pretoria

**2 SACNASP CPD Points | 2 ECSA CPD Points**

The actions taken by its decision-makers influence the performance of any organisation. Being able to predict the expected outcome of a specific set of actions may significantly affect the performance of an organisation. Thus, decision-makers must be able to identify risks and opportunities, effectively analyse the potential outcomes and choose between alternatives. The **Decision and Risk Management** course will illustrate the importance of systematic decision making in managing risks and opportunities. Different decision-making techniques will be presented, and the student will apply these techniques to practical scenarios.

### Course content

- **Risk identification**
- **Intuitive decision making**
- **Analytical decision making**
- **Data-driven decision making**
  - Probability analysis
  - Sensitivity analysis
  - Action prioritisation
  - Data Science, Artificial Intelligence, Machine Learning and Deep Learning

### Learning outcomes

After successful completion of the course, you will be able to:

- Comprehend techniques that will assist with identifying risks
- Differentiate between intuitive and analytical decision making and which is best to apply when
- Construct a decision framework for a decision problem
- Use mathematical modelling to analyse decision parameters
- Prioritise actions based on the expected outcome
- Categorise data-driven decision-making techniques

### Who should enrol?

This course is ideal for individuals that want to improve their risk management and decision management skills. The focus will be on decisions that impact organisational performance.

### Course fees

**R8 194.00 per delegate (VAT incl.)**  
Course fees include all course material.

**Course fees must be paid in full 14 days prior to course start dates. Proof of payment can be submitted to [enrolments@enterprises.up.ac.za](mailto:enrolments@enterprises.up.ac.za).**

### Admission requirements

Prospective delegates should at least have a three-year qualification and/or work experience.

### Accreditation and certification

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### Registration and enquiries

#### Course Coordinator

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*Shifting knowledge to insight*

